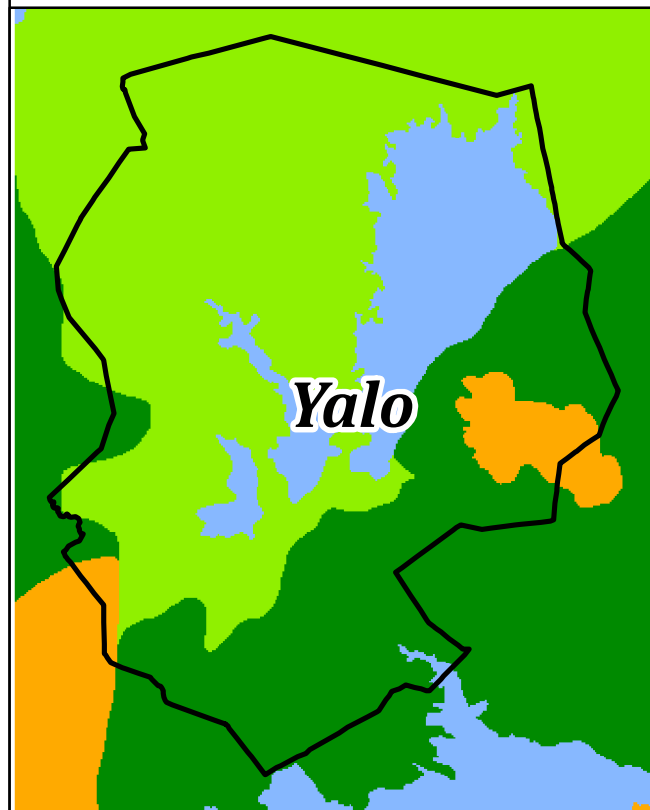
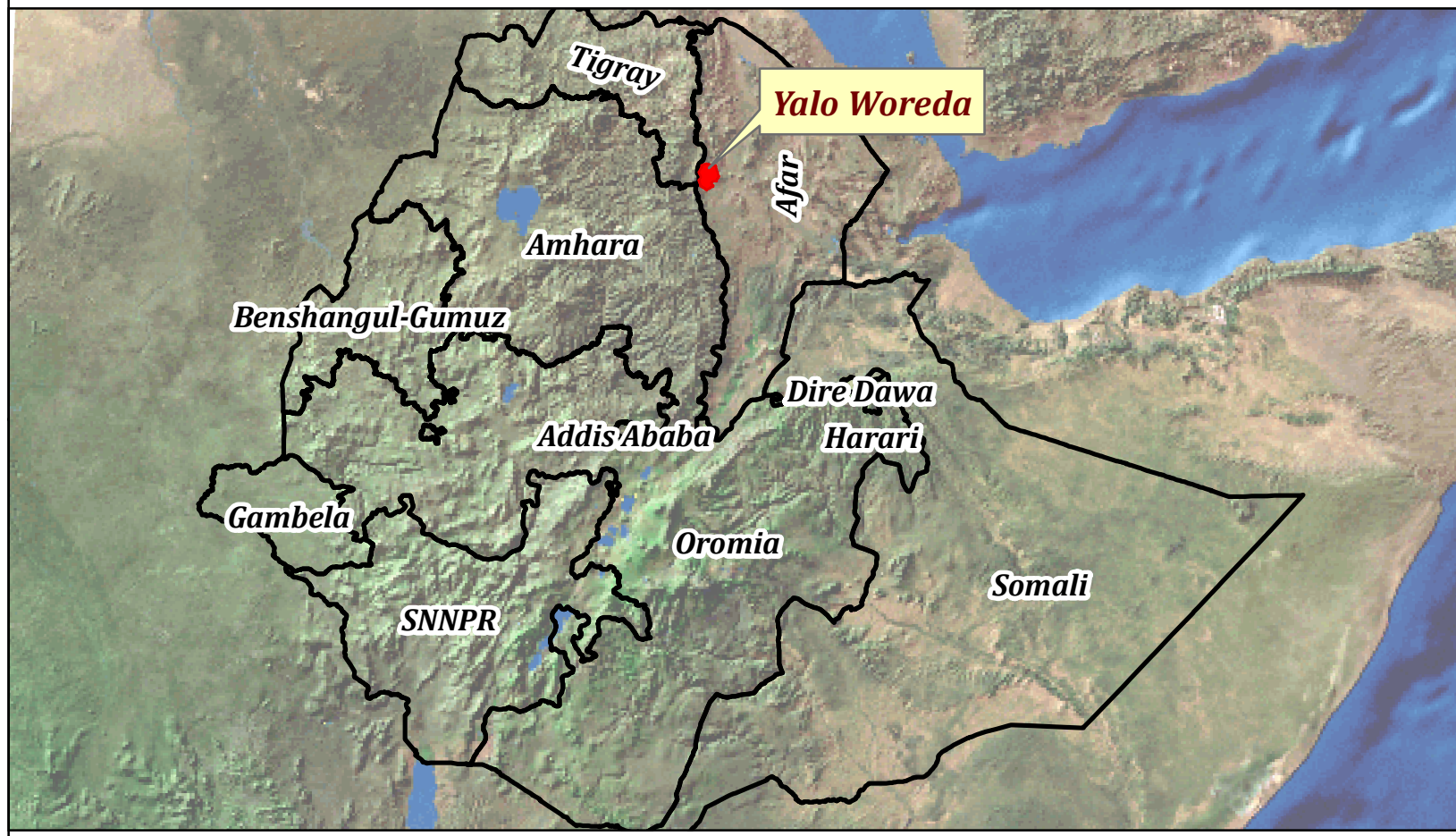
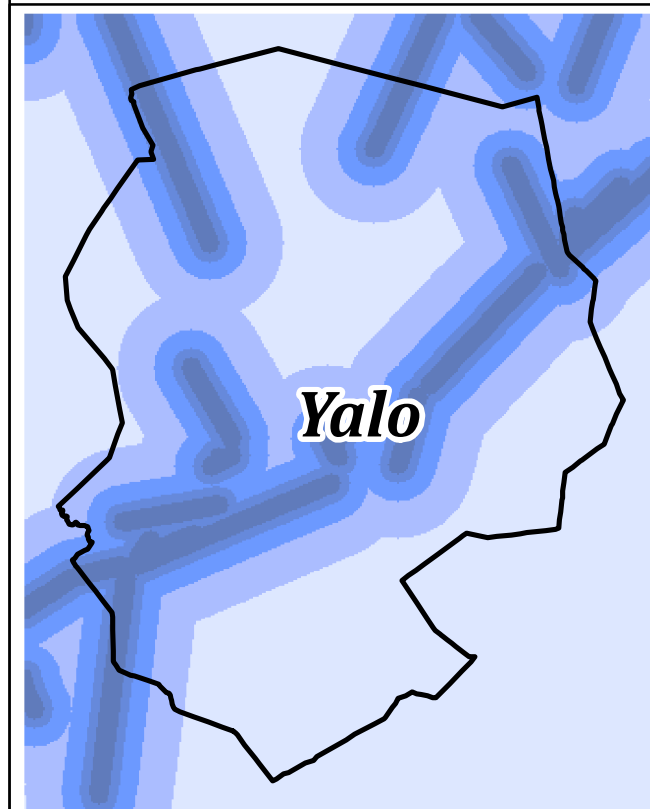


INSET MAPS



Aquifer Class Map

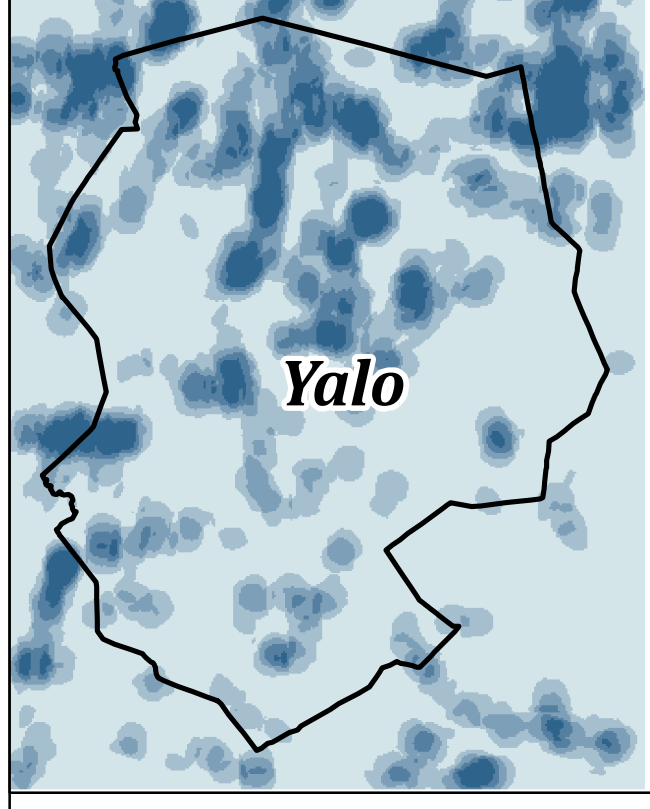
- Aquifer Class**
- Intergranular aquifers, moderately productive
 - Fissured aquifers, moderately productive
 - Fissured aquifers, low productive
 - Minor aquifers



Lineament Proximity Map

Suitability increases with higher proximity to lineaments (Open spaces holding and transmitting groundwater).

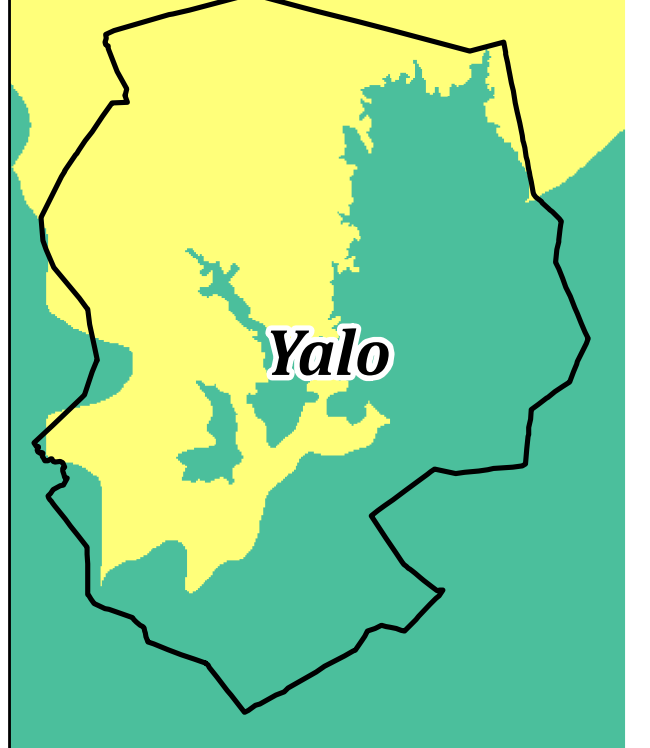
- Proximity (m)**
- 0 - 500
 - 500 - 1,000
 - 1,000 - 2,000
 - 2,000 - 4,000
 - > 4,000



Lineament Density Map

Suitability increases with higher lineament, joint and fault densities

- Lineament Density (km/km²)**
- 0 - 0.3
 - 0.3 - 0.6
 - 0.6 - 0.9
 - 0.9 - 1.2
 - 1.2 - 2.9

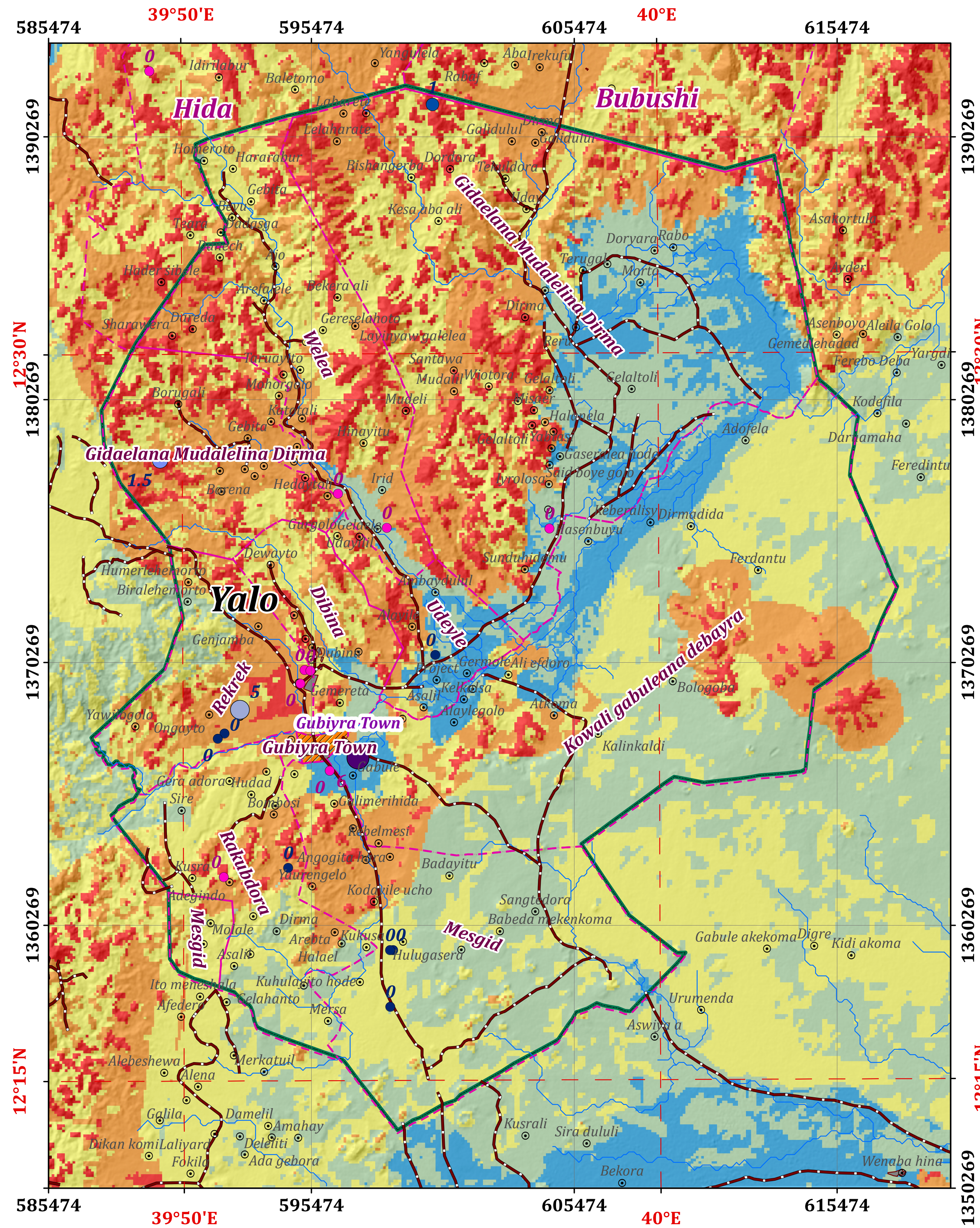


Recharge Map

Suitability increases with increasing recharge.

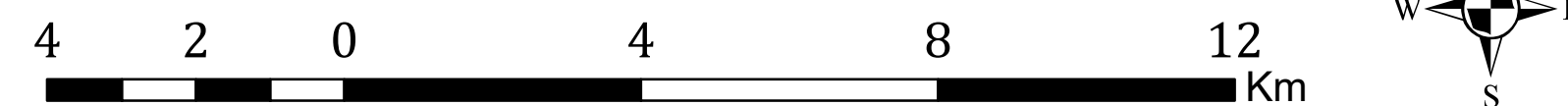
- Recharge (mm/y)**
- 35.2 - 50
 - 50 - 99.9

GROUNDWATER POTENTIAL MAP OF YALO WOREDA



Horizontal Datum: WGS 1984
Vertical Datum: Mean sea level
Projection: Universal Transverse Mercator, Zone 37N

Administrative boundaries: CSA 2007
Built-up areas: Sentinel-2, Openstreetmap 2021



Scale: 1: 100,000

Legend

Groundwater Suitability Index

- Unsuitable
- Very Low
- Low
- Moderate
- High

Other Symbols

- Locality
- Main Road
- Drainage
- ▭ Woredas Boundary
- ▭ Town
- Built-Up Areas
- ▭ Kebele Boundary

Well Yield (l/s)

- No data
- < 1
- 1 - 2
- 2 - 5
- 5 - 10
- > 10

Spring Yield (l/s)

- No data
- < 1
- 1 - 2
- 2 - 5
- 5 - 10
- > 10

Topographic Wetness Index Map

Suitability increases with increasing TWI

- TWI Value**
- ≤ 12
 - 12 - 14
 - 14 - 16
 - 16 - 18
 - > 18

Landuse/Land Cover Map

Areas covered by crop land are more contributory to suitability with bush land and forest classified as moderate while urban and degraded lands are poorly contributory.

- LULC**
- Urban/Built up areas
 - Irrigated Land
 - Forest
 - Degraded land/Bare Land
 - Cropland
 - Bush/rangeland

Saturated Conductivity Soil Map

Suitability increases with increasing saturated conductivity of soil

- ksat (cm/d)**
- ≤ 29
 - 29 - 31
 - 31 - 34
 - 34 - 36
 - > 36

HYDROGEOLOGICAL MAPPING FOR CLIMATE RESILIENT WASH IN ETHIOPIA - LOT-1

